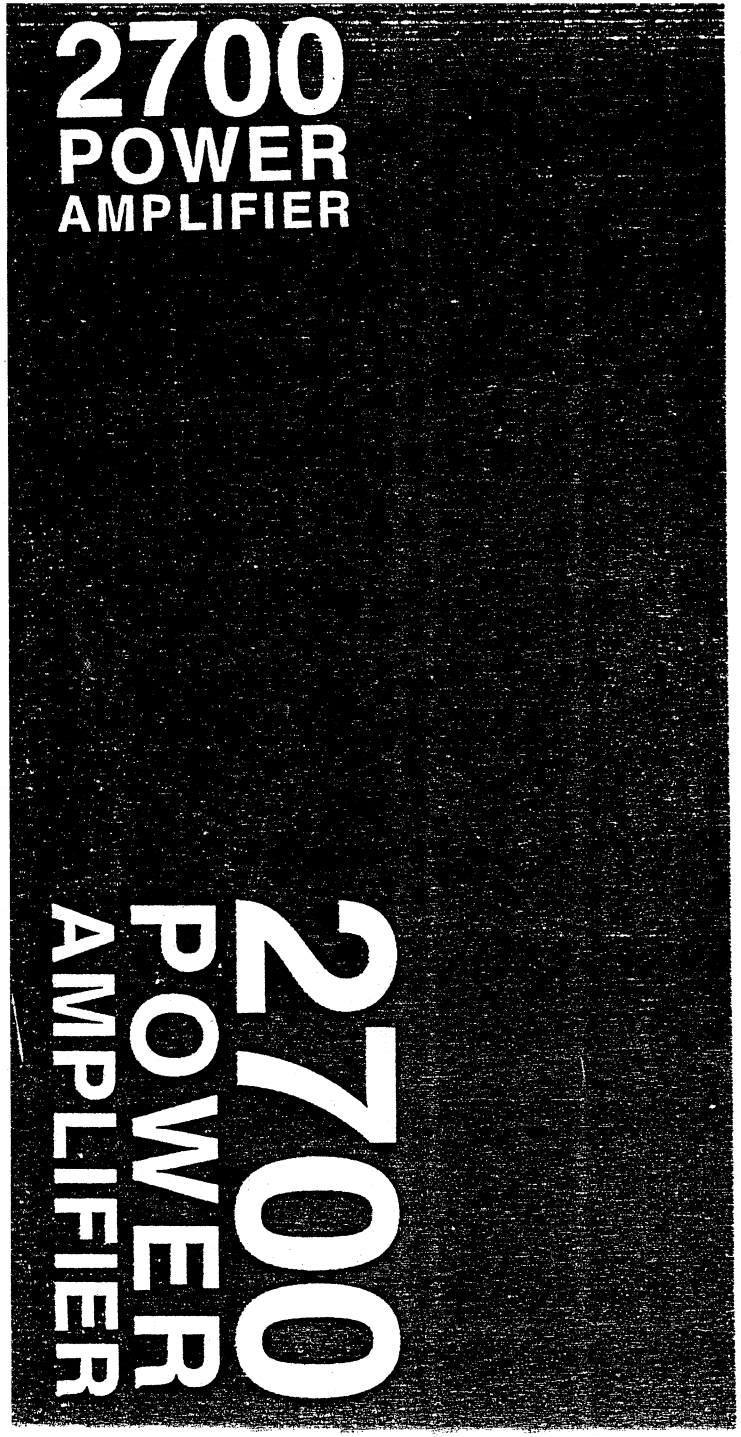


SERVICE MANUAL

NAD

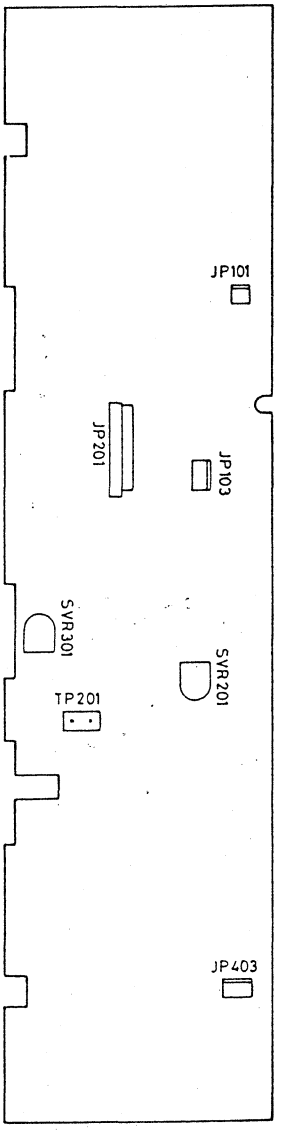
ALIGNMENT PROCEDURES

Condition

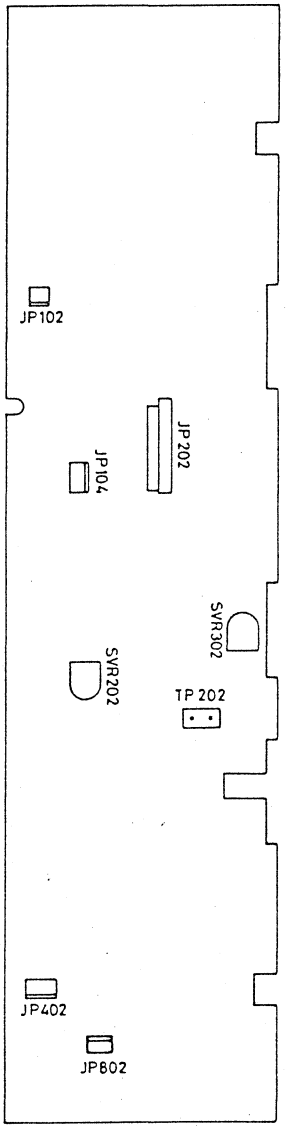
Preheat . . . . . more than 15 minutes
Speaker load . . . . . 8 ohms (dummy or speaker)
Input . . . . . No signal

Step	Output Indication / Connection	Adjustment	Adjust for
CENTER DC VOLTAGE			
1	DC digital voltmeter / Speaker terminals	SVR201 (L ch) SVR202 (R ch)	0±5 mV
IDLING			
2	DC digital voltmeter / TP201/TP202 (L/R)	SVR301 (L ch) SVR302 (R ch)	7.5±0.5mV

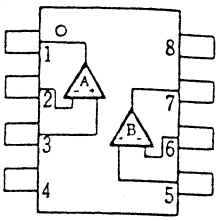
MAL-P.C. Board



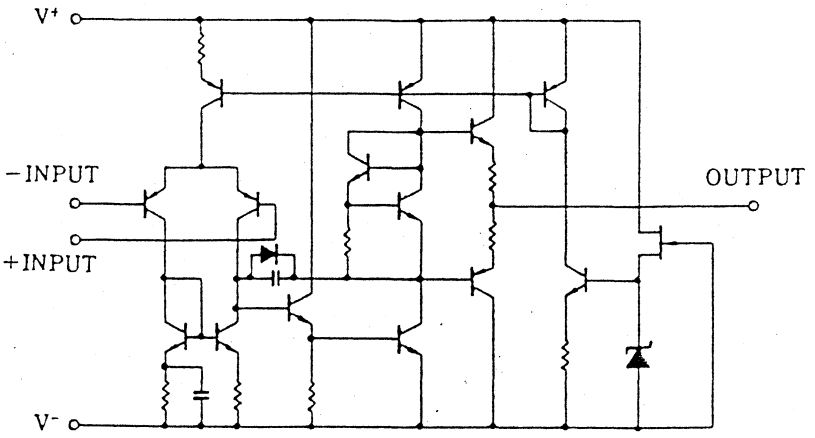
MAR-P.C. Board



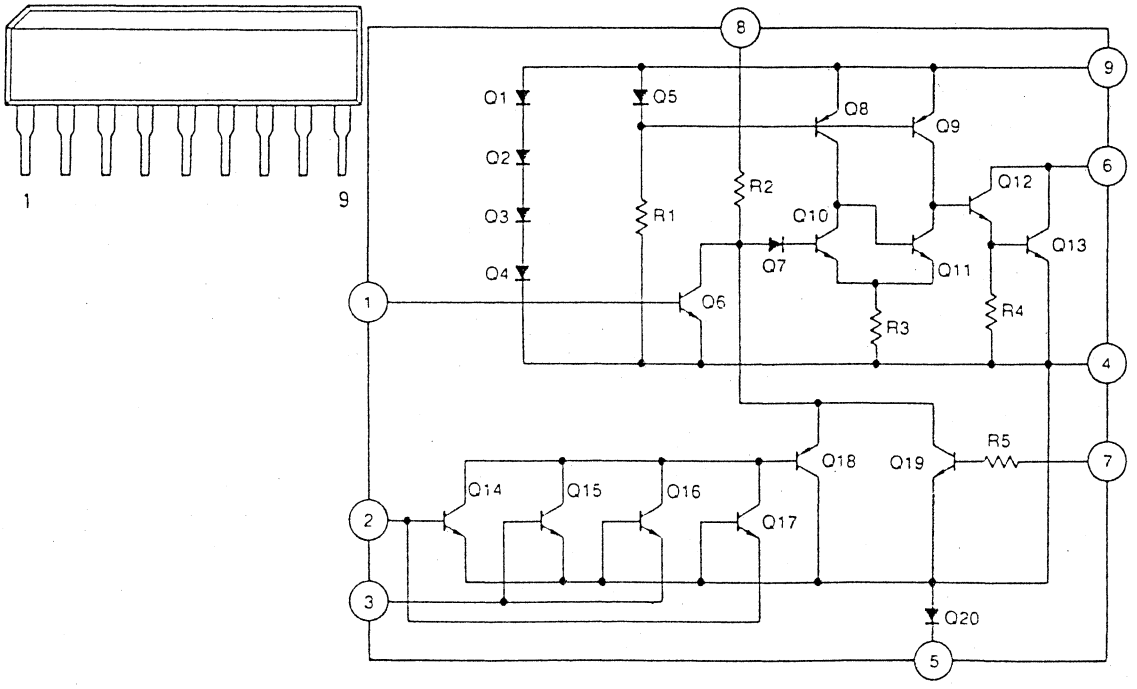
IC101, IC102 : NJM2043DD



1. A OUTPUT
2. A−INPUT
3. A+INPUT
4. V⁻
5. B+INPUT
6. B−INPUT
7. B OUTPUT
8. V⁺

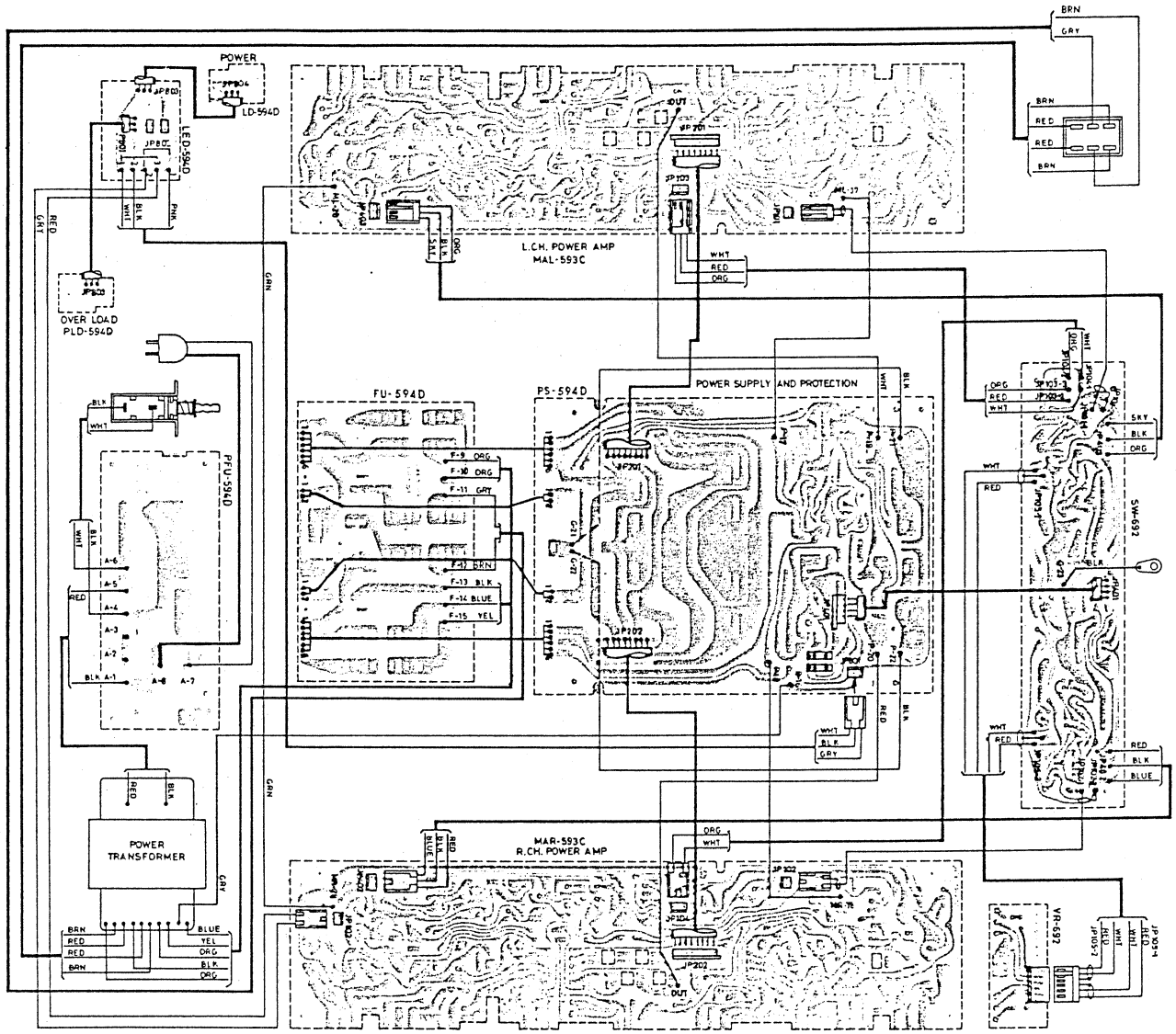


IC403 : TA7317P

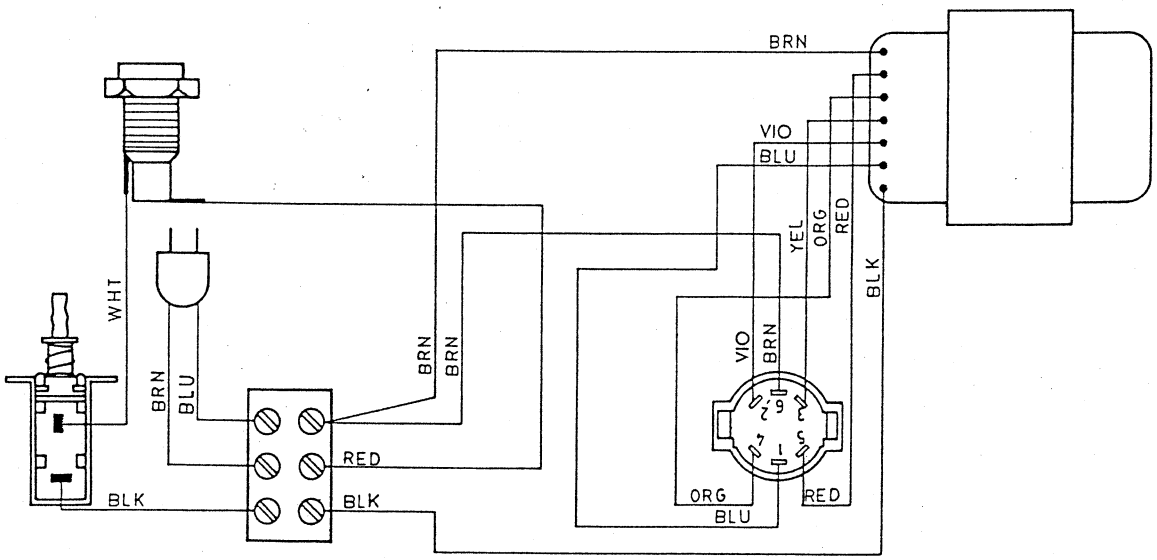


WIRING DIAGRAM (Component side)

[A, A1]-Version for U.S.A., Canada

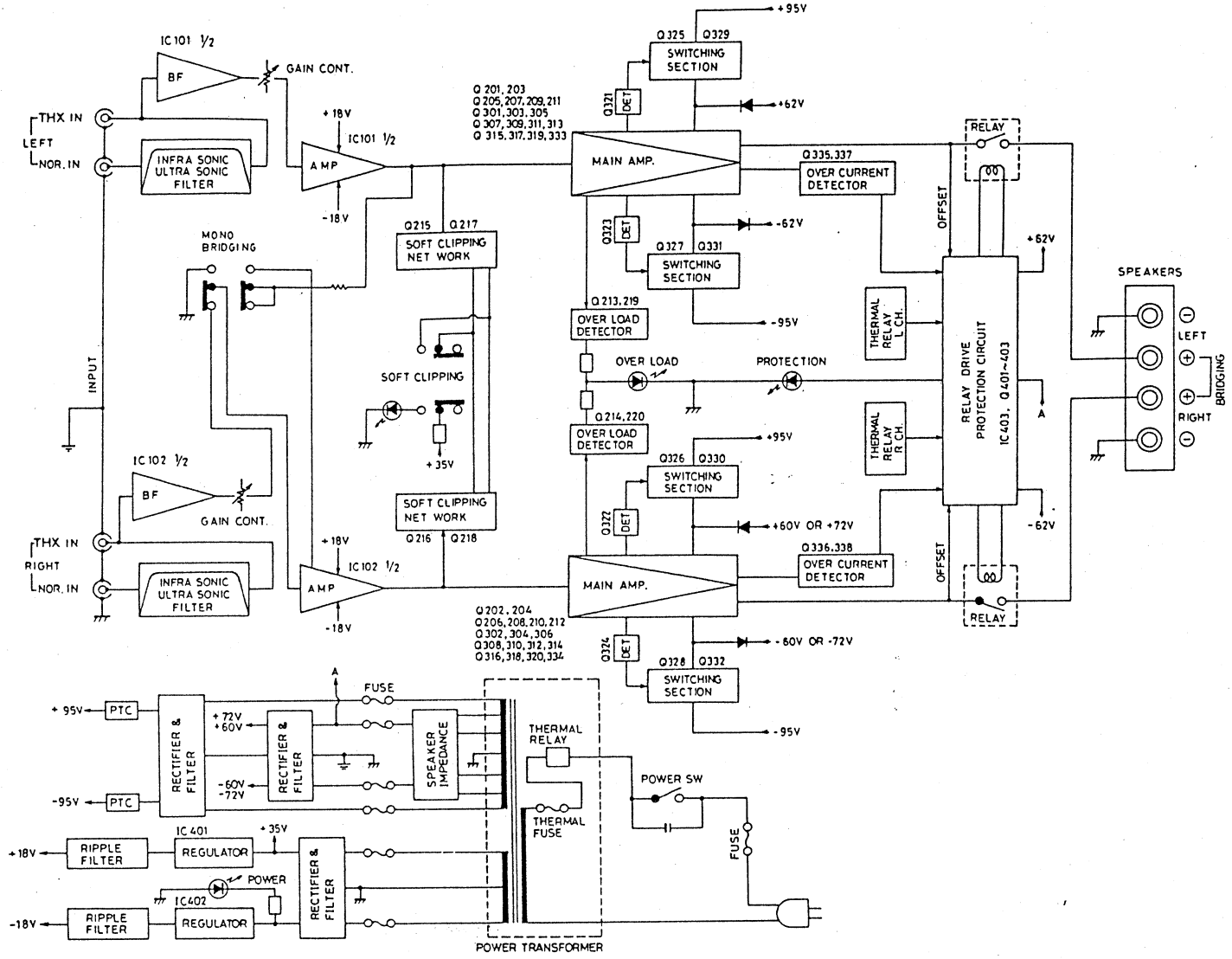


[B, B1, C]-Version for U.K., Australia / N.Z., Scandinavia, W.Germany



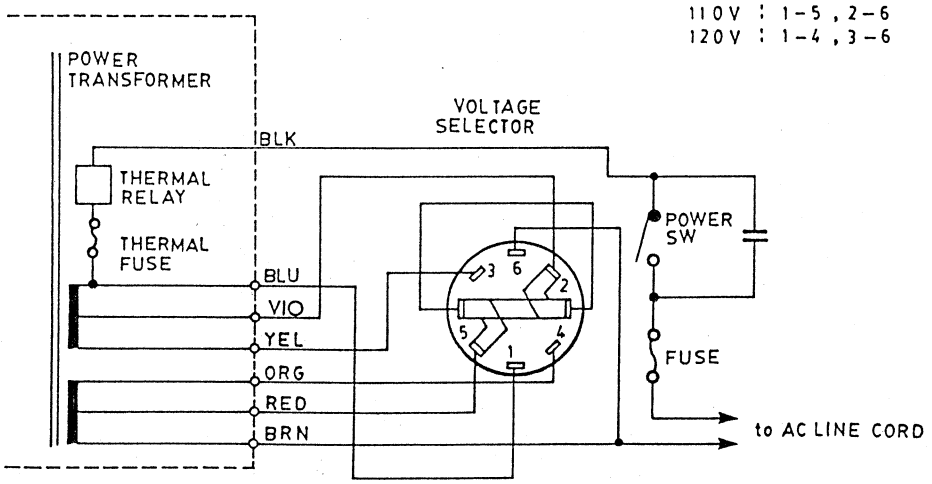
BLOCK DIAGRAM

[A, A1]-Version for U.S.A., Canada



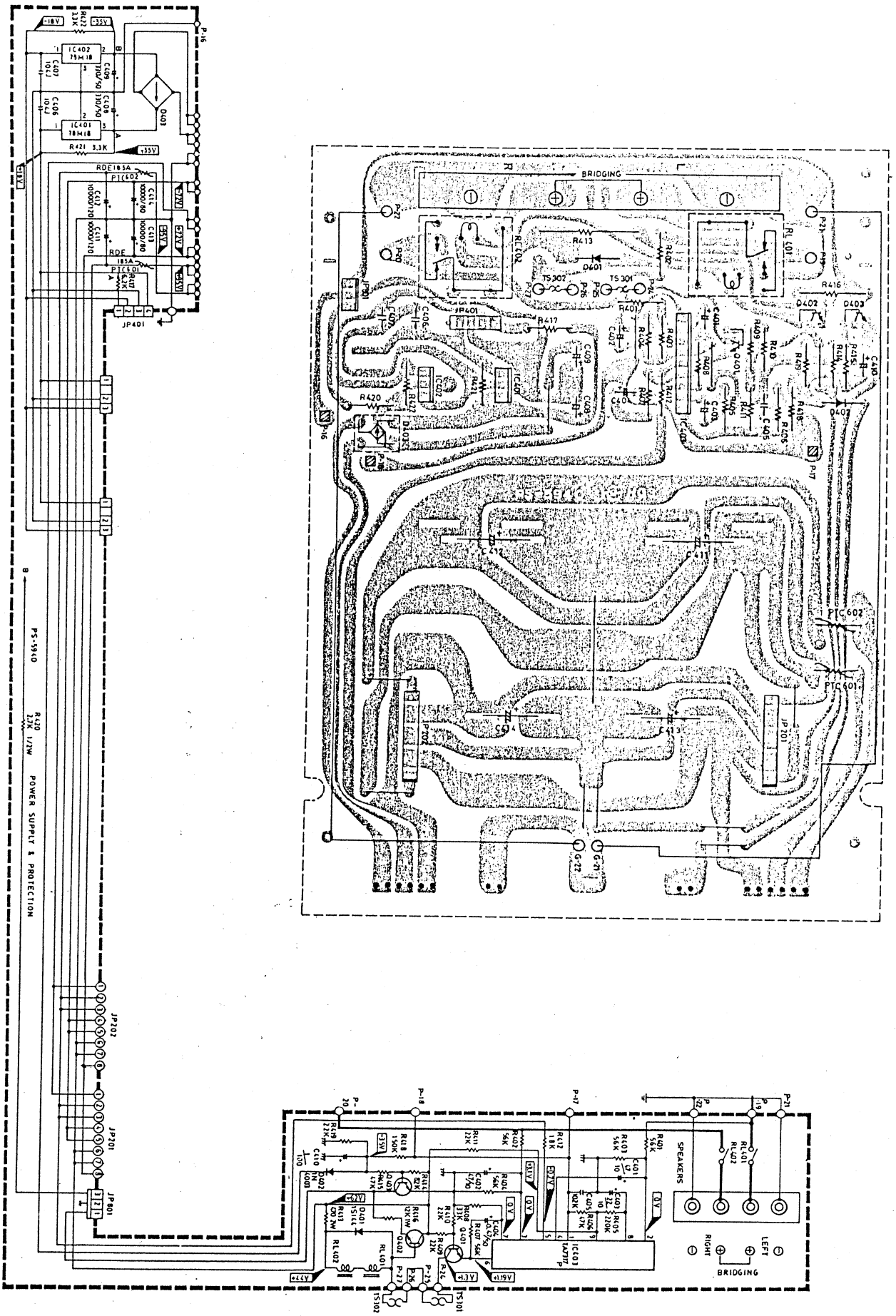
[B, B1, C]-Version for U.K., Australia / N.Z., Scandinavia, W.Germany

VOLTAGE SELECTOR POSITION
220V : 2-5
240V : 3-4
110V : 1-5, 2-6
120V : 1-4, 3-6



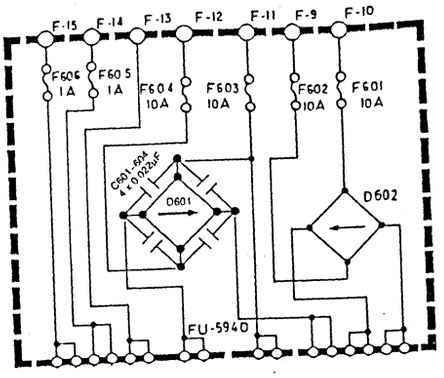
SCHEMATIC AND PCB LAYOUT (Foil side)

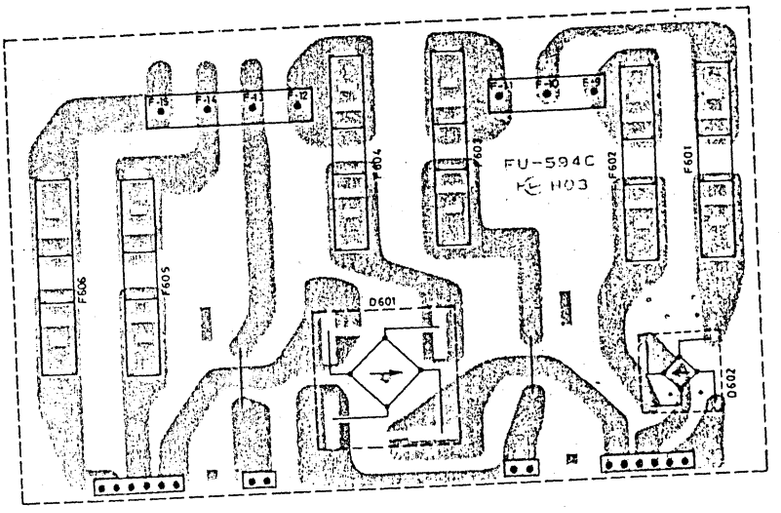
Power Supply/Protect P.C.B Ass'y



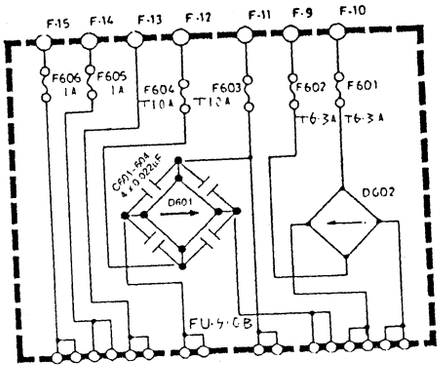
Fuse P.C.B Ass'y

[A, A_1]-Version for U.S.A., Canada



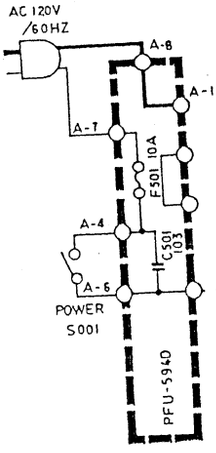


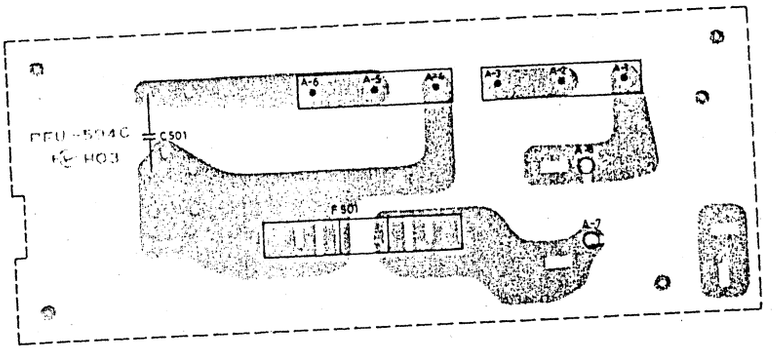
[B, B_1, C]-Version for U.K., Australia / N.Z., Scandinavia, W.Germany



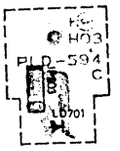
Primary Fuse P.C.B Ass'y

[A, A_1]-Version for U.S.A., Canada only

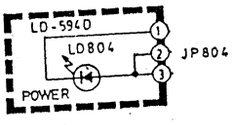


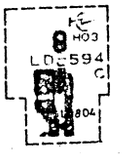


Indicator P.C.B Ass'y

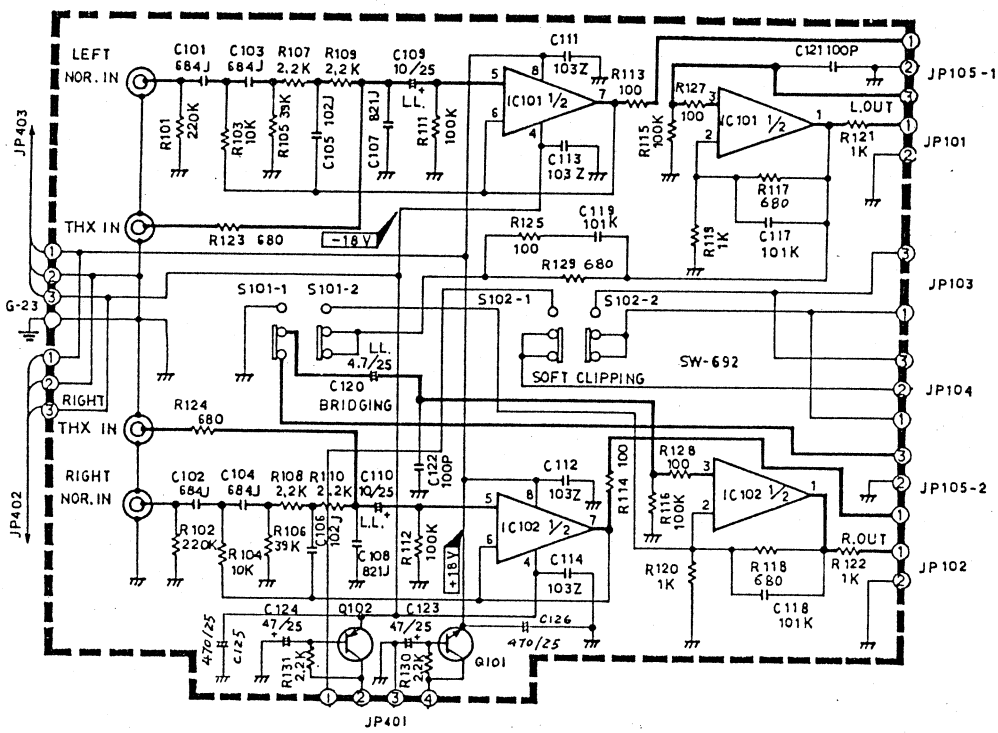


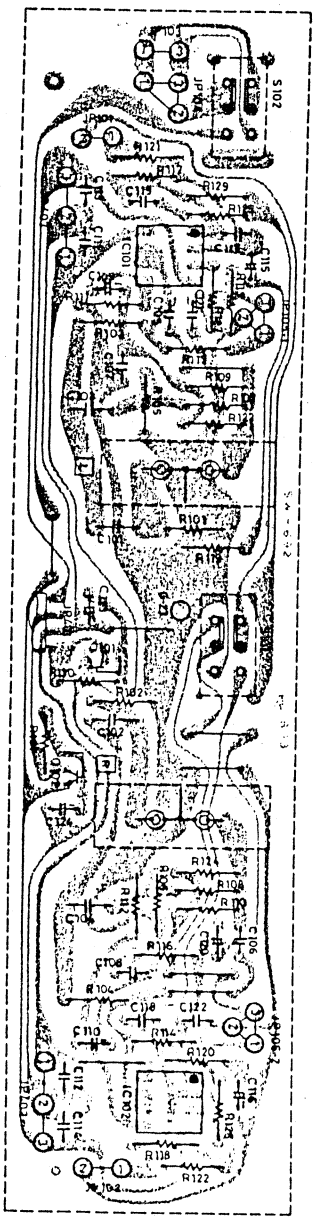
Power Indicator P.C.B Ass'y



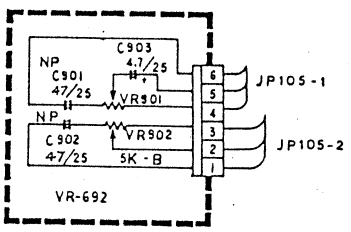


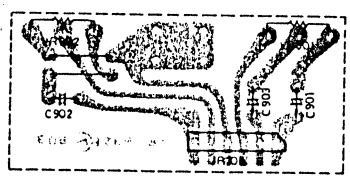
Input P.C.B Ass'y



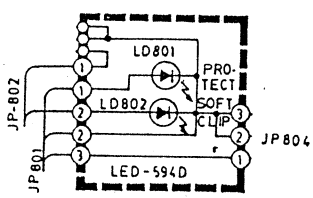


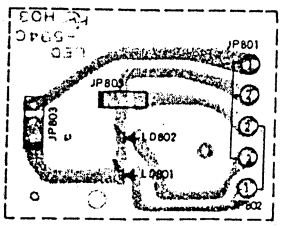
Input Volume P.C.B Ass'y



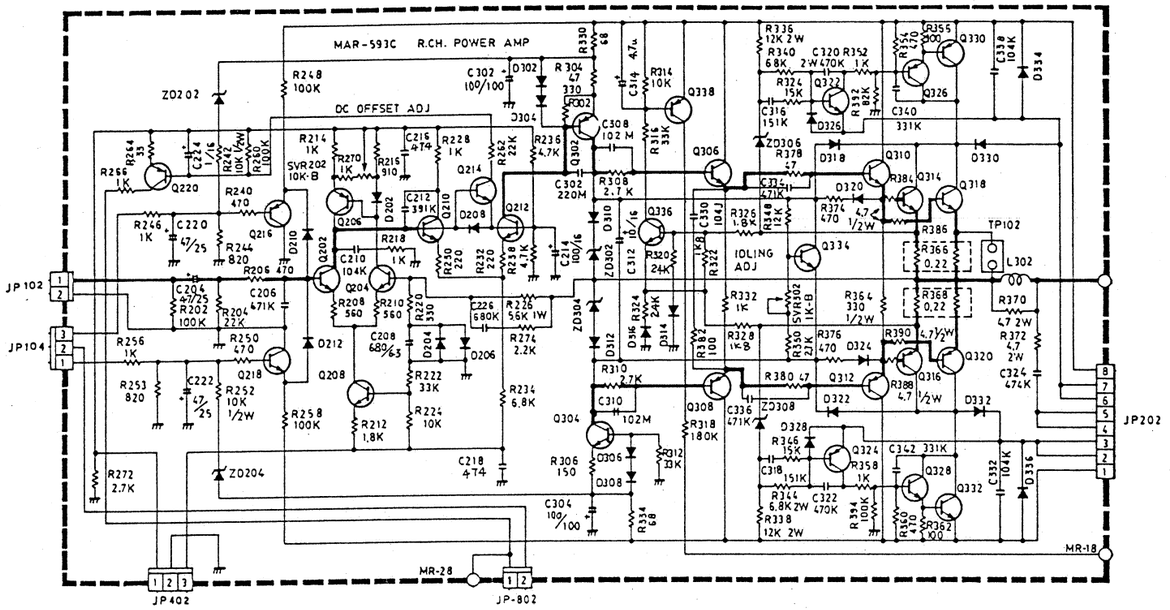


Indicators P.C.B Ass'y

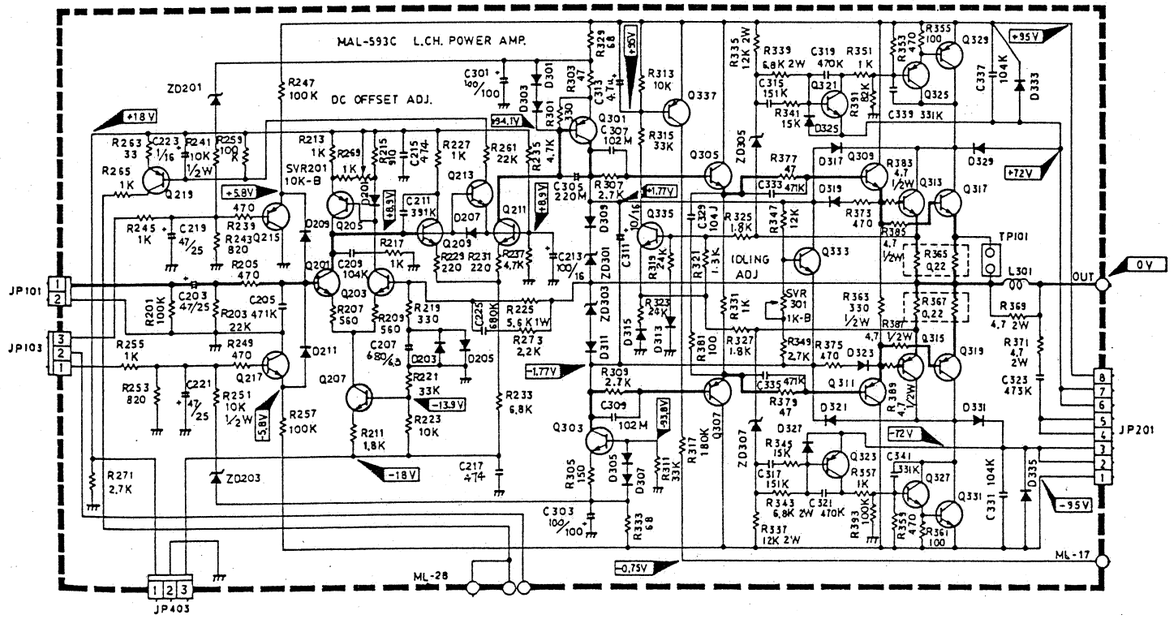




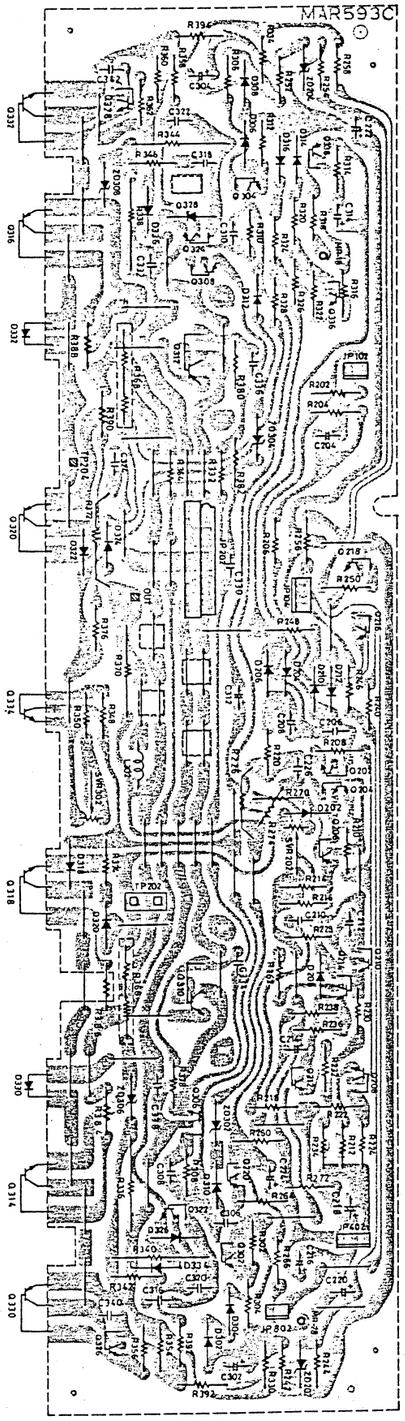
R ch Power Amp Circuit



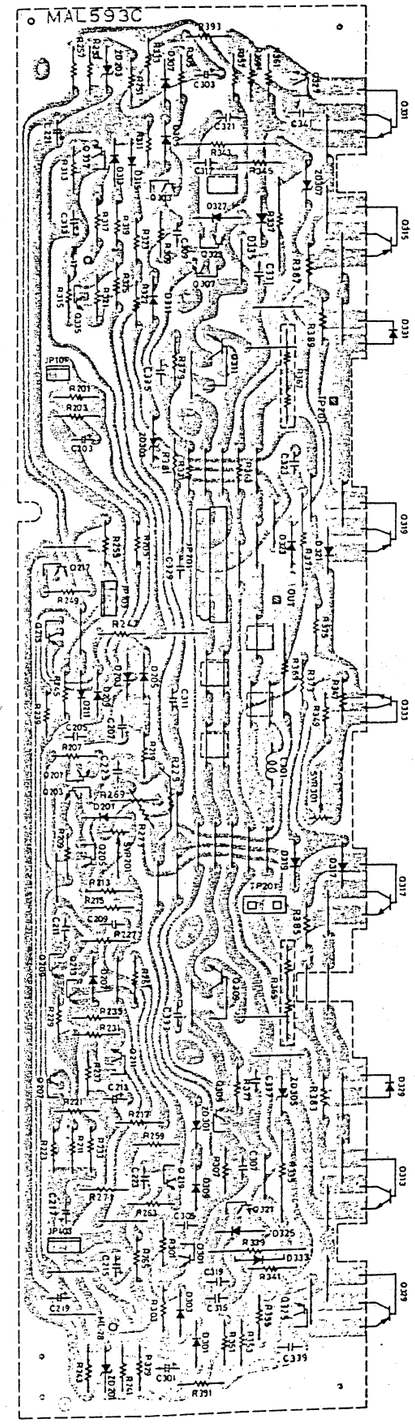
L ch Power Amp Circuit



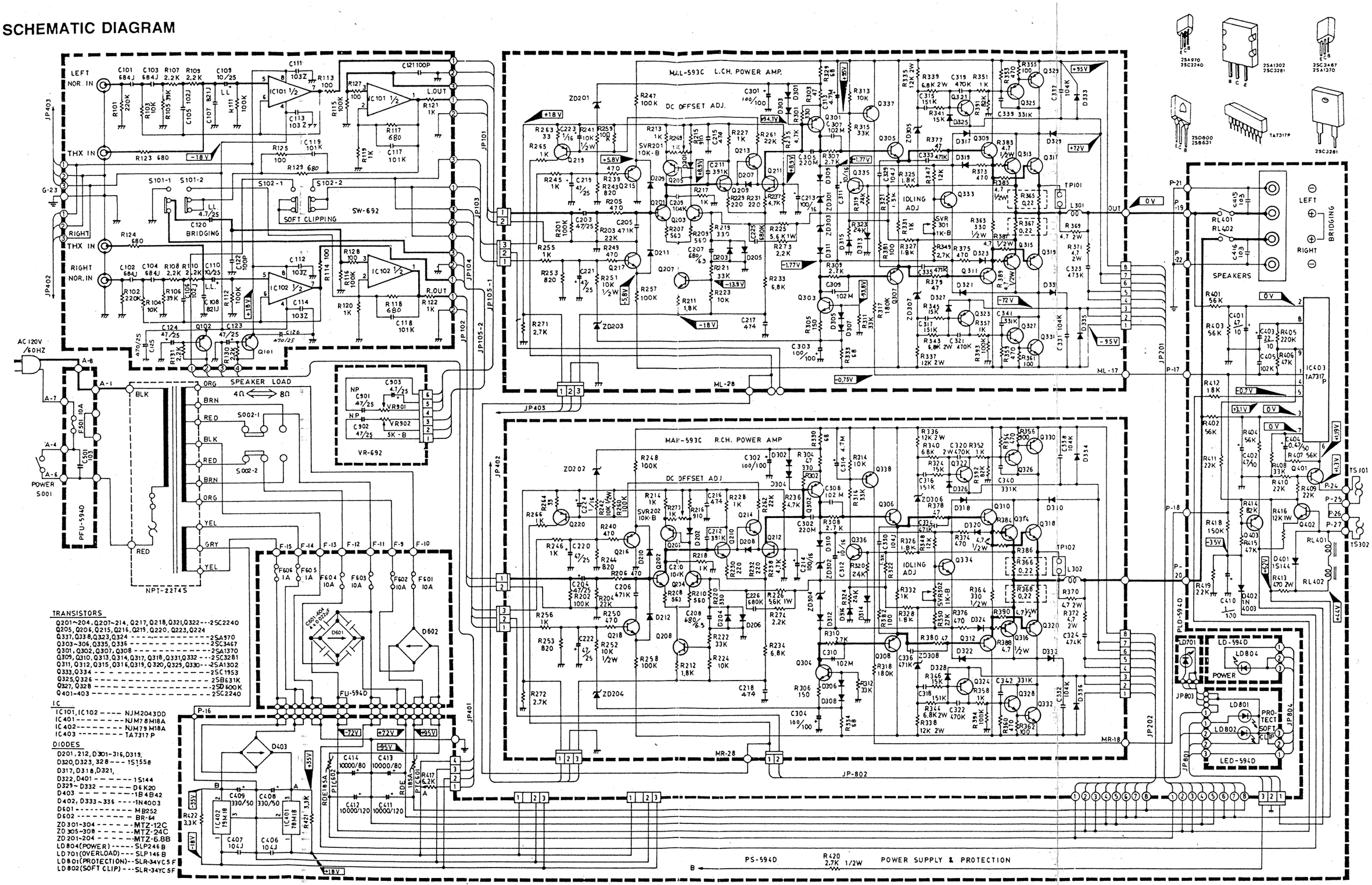
R ch Power Amp P.C.B Ass'y



L ch Power Amp P.C.B Ass'y



SCHEMATIC DIAGRAM



TRANSISTORS

Q201~204, Q207~214, Q217, Q218, Q321, Q322 --- 2SC2240
Q205, Q206, Q215, Q216, Q219, Q220, Q223, Q224
Q337, Q338, Q323, Q324 ---------- 2SA970
Q303~306, Q335, Q336 ---------- 2SC3467
Q301, Q302, Q307, Q308 ---------- 2SA1370
Q309, Q310, Q313, Q314, Q317, Q318, Q331, Q332 --- 2SC3281
Q311, Q312, Q315, Q316, Q319, Q320, Q329, Q330 --- 2SA1302
Q333, Q334 ---------- 2SC1953
Q325, Q326 ---------- 2SB631K
Q327, Q328 ---------- 2SD600K
Q401~403 ---------- 2SC2240

IC

IC101, IC102 ---- NJM2043DD
IC401 ---------- NJM78M18A
IC402 ---------- NJM79M18A
IC403 ---------- TA7317P

DIODES

D201, 212, D301~316, D319,
D320, D323, 328 --- 1S1558
D317, D318, D321,
D322, D401 ------ 1S144
D329~D332 ------ D6K20
D403 ---------- 1B4B42
D402, D333~336 ---- 1N4003
D601 ---------- MB252
D602 ---------- BR-64
ZD301~304 ------ MTZ-12C
ZD305~308 ------ MTZ-24C
ZD201~204 ------ MTZ-6.8B
LD804(POWER) ----- SLP246B
LD701(OVERLOAD) --- SLP146B
LD801(PROTECTION)--SLR-34YC5F
LD802(SOFT CLIP) ---SLR-34YC5F

CAUTION: THOSE FUSES WITH SYMBOL/MARKS 250V 1A and 250V 10A ARE FAST-BLOW TYPE. REPLACE WITH SAME TYPE 10A 250V(OR 1A 250V)FUSE.

ATTENTION: LES FUSIBLES MARQUES 250V 1A ET 250V 10A SONT DE TYPE A FUSION RAPIDE. UTILISER UN FUSIBLE DE RECHANGE DE MEME TYPE DE 10A 250V(OU 1A 250V).

DRAWING NO.	MODEL NO.
CD-T101	2700TH-AH